

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A disk loading apparatus for a disk drive, comprising:
 - a main body;
 - a tray including a disk-seating portion configured to be rotated inside and outside the main body about a center of rotation located at one side of the main body, wherein at least a portion of an edge of the tray has ~~the substantially a same end or as and~~ does not protrude substantially beyond an end-edge of a disk seated in the disk-seating portion; and
 - a disk guide ~~unit device~~ provided on the tray and the main body and configured to cause a disk to be loaded and unloaded according to a rotating motion of the tray, wherein for at least a portion of the movement of the tray from a closed position to an open position, a disk-loading position determined by the disk guide ~~unit device~~ is configured to move relative to the tray.
2. (Currently Amended) The disk loading apparatus as claimed in claim 1, further comprising a drive ~~unit device~~ configured to rotate the tray, wherein the drive ~~unit device~~ comprises:

a driving motor configured to be mounted on a main base and rotate in a forward or reverse direction; and

a power transmission unit-device configured to transmit driving force from the driving motor to the tray, wherein the power transmission unit-device comprises at least one gear.

3-4. Canceled

5. (Currently Amended) The disk loading apparatus as claimed in claim 2, further comprising a rack gear having a predetermined radius of curvature formed on a bottom surface of the tray and configured to engage with a driving gear of the power transmission unitdevice.

6. (Original) The disk loading apparatus as claimed in claim 1, wherein the center of rotation of the tray is located at a front end of the main body.

7. (Original) The disk loading apparatus as claimed in claim 6, wherein the tray is in the form of a sector of which a center point acts as the center of rotation of the tray.

8. (Previously Presented) The disk loading apparatus as claimed in claim 1, wherein a predetermined gap is formed between the tray and the main body on a side of the tray adjacent the center of rotation.

9. (Currently Amended) The disk loading apparatus as claimed in claim 1, wherein the tray comprises:

a leading end guide formed to extend along a leading end of the tray; and
style="padding-left: 40px;">a trailing end guide formed to extend at a predetermined angle with respect to a side edge of the tray.

10. (Original) The disk loading apparatus as claimed in claim 9, wherein the center of rotation of the tray is located at a front end of the main body.

11. (Currently Amended) The disk loading apparatus as claimed in claim 9, wherein the disk guide ~~unit-device~~ comprises:

the leading end guide;
style="padding-left: 40px;">the trailing end guide; and
style="padding-left: 40px;">first and second side guides formed on both sides of the main body.

Amdt. dated December 18, 2007

Reply to Office Action of September 21, 2007

12. (Original) The disk loading apparatus as claimed in claim 11, wherein the first side guide comprises a slant portion configured to facilitate entrance of the disk into the disk drive formed at a front end thereof.

13. (Previously Presented) The disk loading apparatus as claimed in claim 10, further comprising an interference prevention portion configured to prevent interference of the leading end of the tray and provided at the front end of the main body adjacent the center of rotation of the tray.

14. (Currently Amended) The disk loading apparatus as claimed in claim 9, wherein the disk guide ~~unit~~device comprises:

first and second side guides formed on both sides of the main body; and
a guide slot formed in a door provided at the leading end of the tray and
configured to allow the disk to protrude outside the tray.

15. (Original) The disk loading apparatus as claimed in claim 14, wherein the first side guide comprises a slant portion configured to facilitate entrance of the disk into the disk drive formed at a front end thereof.

Amdt. dated December 18, 2007

Reply to Office Action of September 21, 2007

16. (Original) The disk loading apparatus as claimed in claim 14, wherein the disk-seating portion is formed such that all portions except the guides are flat up to edges of the tray.

17. (Original) The disk loading apparatus as claimed in claim 14, wherein the second side guide is configured to protrude from one side of the main body toward the first side guide by a predetermined distance.

18. (Original) A disk drive comprising the disk loading apparatus of claim 1.

19. (Previously Presented) A disk loading apparatus for a disk drive, comprising:
a main body; and
a tray rotatably coupled to a shaft formed on a corner of the main body so that the tray is horizontally rotatable about the shaft in a plane parallel to a top surface of the main body, wherein the tray comprises:

a leading end guide formed to extend along a leading end of the tray; and
a trailing end guide formed to extend at a predetermined angle with respect to a side edge of the tray.

Amdt. dated December 18, 2007

Reply to Office Action of September 21, 2007

20. (Currently Amended) The disk loading apparatus as claimed in claim 19, further comprising a drive unit-device configured to rotate the tray, wherein the drive unit-device comprises:

a driving source provided on one side of the main body; and
a power transmission unit-device configured to transmit power from the driving source to rotate the tray.

21. (Canceled)

22. (Currently Amended) The disk loading apparatus as claimed in claim 20, further comprising a rack having a predetermined radius of curvature formed on a bottom surface of the tray and engaged with a driving gear of the power transmission unit-device.

23. (Previously Presented) The disk loading apparatus as claimed in claim 19, wherein the shaft is formed on a front corner of the main body, wherein the tray is in the shape of a sector.

24. (Original) The disk loading apparatus as claimed in claim 19, wherein the tray includes a disk-seating portion formed in a bottom surface thereof.

25-26. (Canceled)

27. (Previously Presented) The disk loading apparatus as claimed in claim 19, wherein the main body includes first and second side guides formed at both inner sides thereof to extend from a front end to a rear end of the main body.

28. (Original) A disk drive comprising the disk loading apparatus of claim 19.

29. (Previously Presented) The disk loading apparatus as claimed in claim 27, wherein at least one side guide comprises a recessed portion, a protruding portion or a slanted portion.

30. (Previously Presented) The disk loading apparatus as claimed in claim 19, wherein for at least a portion of the movement of the tray from a closed position to an open position, a disk-loading position on the tray determined by at least one of the leading guide and the trailing end guide is configured to move relative to the tray.

31. (Previously Presented) The disk loading apparatus as claimed in claim 19, wherein a distance between the leading end guide and the trailing end guide is equal to or greater than a

diameter of a loadable disk, and wherein the predetermined angle is between zero and ninety degrees.

32. (Previously Presented) The disk loading apparatus as claimed in claim 9, wherein a guide slot formed along the leading end of the tray and is configured to allow the disk loading position to protrude outside the tray.

33. (Previously Presented) The disk loading apparatus as claimed in claim 13, wherein the interference prevention portion is an opening, recess, slot or indentation formed in side guides.

34. (Currently Amended) A disk loading apparatus for a disk drive, comprising:
a main body;
a tray including a disk-seating portion configured to be rotated inside and outside the main body about a center of rotation located at one side of the main body;
a disk guide ~~unit~~device provided on the tray and the main body and configured to cause a disk to be loaded and unloaded according to a rotating motion of the tray, wherein the center of rotation of the tray is located at a front end of the main body; and

an interference prevention portion configured to prevent interference of a leading end of the tray and provided at the front end of the main body adjacent the center of rotation of the tray.

35. (Previously Presented) The disk loading apparatus as claimed in claim 34, wherein the interference prevention portion is an opening, recess, slot or indentation formed in side guides.

36. (Previously Presented) The disk loading apparatus as claimed in claim 35, wherein the interference prevention portion allows a rotary shaft for the center of rotation to be adjacent to the sidewall.